

METERING PUMPS FOR AN AEROSOLIZER

ABSTRACT OF THE DISCLOSURE

An apparatus to make a certain volume of liquid available for atomization
5 comprises a container adapted to hold a liquid, and a piston pump. The piston pump
comprises a piston member and a valve body, with the piston member being slidable within
the valve body. Further, the valve body functions with the piston member to define a
metering chamber. In this way, the metering chamber is adapted to be filled with liquid from
the container when the piston member is moved to a filling position, and the piston pump is
10 adapted to dispense a known volume of the liquid from the metering chamber when the
piston member is moved to a dispensing position.

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